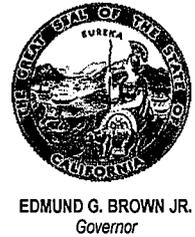




State of California - Health and Human Services Agency  
California Department of Public Health

Drinking Water and Radiation Laboratory Branch  
850 Marina Bay Parkway, Richmond, CA 94804



**PRELIMINARY Analysis Results Report for Task ID. N11-0349**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name:                  | Date/Time Collected: 03/30/2011 14:04 | Date/Time Received: 04/01/2011 11:38 |  |
| Site Name: Humboldt Bay / Air      | Source Name:                          |                                      |  |
| R Number: R 90466                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 75838.2                       | 03/28/2011 13:15       | 76189.6                            | 03/30/2011 14:04     | 351.4                                  |

| Sample ID    | Sampling Point   | Method       | Parameter   | Result ± CE       | MDA <sub>95</sub> | Units  |
|--------------|------------------|--------------|-------------|-------------------|-------------------|--------|
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Ba-140      | -0.0182 ± 0.0468  | 0.128             | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-141      | 0.0201 ± 0.0106   | 0.0368            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-144      | -0.00832 ± 0.0580 | 0.144             | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-134      | -0.00457 ± 0.0154 | 0.0433            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-137      | -0.00405 ± 0.0154 | 0.0427            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | DOE RP 710   | Gross Alpha | ±                 |                   | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | DOE RP 710   | Gross Beta  | ±                 |                   | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | I-131       | 0.0364 ± 0.00888  | 0.0479            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | I-132       | 0.0106 ± 0.0175   | 0.0570            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-103      | 0.0119 ± 0.00616  | 0.0304            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-106      | 0.0370 ± 0.0625   | 0.242             | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Te-132      | -0.0127 ± 0.0113  | 0.0325            | pCi/m3 |
| N11-0349-001 | Humboldt Bay NPP | HASL Ga-01-R | Zr-95       | 0.00665 ± 0.0202  | 0.0678            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0349

N11-0349-002

Humboldt Bay NPP

HASL Ga-01-R

Iodine-131

0.102 ± 0.0115

0.0316

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



Howard Backer, MD, MPH  
Interim Director

State of California - Health and Human Services Agency  
California Department of Public Health

Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804



EDMUND G. BROWN JR.  
Governor

PRELIMINARY Analysis Results Report for Task ID. N11-0361

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |
|------------------|--|
| <b>Requestor</b> |  |
| Name:            | Organization: Radiologic Health Branch |
| Address:         |  |
| City:            | State: CA Zip Code: 95814-5006 Phone:  |

|                                    |                                       |                                      |
|------------------------------------|---------------------------------------|--------------------------------------|
| <b>Site and Sample Information</b> |                                       |                                      |
| Collector's Name:                  | Date/Time Collected: 04/05/2011 09:00 | Date/Time Received: 04/05/2011 09:29 |
| Site Name: Richmond / Air          | Source Name:                          |                                      |
| R Number: R 91074                  | Sample Type: Air Filter               |                                      |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 6516.0                        | 04/03/2011 14:01       | 6810.5                             | 04/05/2011 09:00     | 294.5                                  |

| Sample ID    | Sampling Point | Method       | Parameter   | Result ± CE        | MDA <sub>95</sub> | Units  |
|--------------|----------------|--------------|-------------|--------------------|-------------------|--------|
| N11-0361-001 | Richmond       | HASL Ga-01-R | Ba-140      | 0.0661 ± 0.0363    | 0.153             | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Ce-141      | 0.00617 ± 0.0175   | 0.0470            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Ce-144      | -0.0707 ± 0.0829   | 0.173             | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Cs-134      | -0.126 ± 0.0384    | 0.0627            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Cs-137      | 0.00863 ± 0.0191   | 0.0613            | pCi/m3 |
| N11-0361-001 | Richmond       | DOE RP 710   | Gross Alpha | ±                  |                   | pCi/m3 |
| N11-0361-001 | Richmond       | DOE RP 710   | Gross Beta  | ±                  |                   | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | I-131       | 0.0139 ± 0.0153    | 0.0543            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | I-132       | -0.0144 ± 0.0196   | 0.0461            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Ru-103      | 0.00143 ± 0.0116   | 0.0371            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Ru-106      | 0.154 ± 0.110      | 0.427             | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Te-132      | -0.00452 ± 0.00858 | 0.0272            | pCi/m3 |
| N11-0361-001 | Richmond       | HASL Ga-01-R | Zr-95       | 0.00956 ± 0.0454   | 0.0762            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0361

N11-0361-002

Richmond

HASL Ga-01-R

Iodine-131

0.0580 ± 0.0103

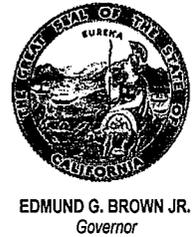
0.0362

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



State of California - Health and Human Services Agency  
California Department of Public Health



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804

**PRELIMINARY Analysis Results Report for Task ID. N11-0362**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name:                  | Date/Time Collected: 04/04/2011 11:00 | Date/Time Received: 04/05/2011 09:52 |  |
| Site Name: Los Angeles / Air       | Source Name:                          |                                      |  |
| R Number: R 90781                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 87658.3                       | 04/01/2011 09:00       | 88158.5                            | 04/04/2011 11:00     | 500.2                                  |

| Sample ID    | Sampling Point | Method       | Parameter   | Result ± CE        | MDA <sub>95</sub> | Units  |
|--------------|----------------|--------------|-------------|--------------------|-------------------|--------|
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Ba-140      | 0.00454 ± 0.0227   | 0.0742            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Ce-141      | -0.00723 ± 0.0113  | 0.0253            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Ce-144      | -0.0251 ± 0.0426   | 0.0962            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Cs-134      | -0.00495 ± 0.0100  | 0.0265            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Cs-137      | -0.00724 ± 0.0107  | 0.0264            | pCi/m3 |
| N11-0362-001 | Los Angeles    | DOE RP 710   | Gross Alpha | ±                  |                   | pCi/m3 |
| N11-0362-001 | Los Angeles    | DOE RP 710   | Gross Beta  | ±                  |                   | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | I-131       | 0.00625 ± 0.00566  | 0.0223            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | I-132       | -0.0259 ± 0.0159   | 0.0314            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Ru-103      | -0.00384 ± 0.00896 | 0.0234            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Ru-106      | 0.0267 ± 0.0697    | 0.223             | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Te-132      | 0.00910 ± 0.00497  | 0.0212            | pCi/m3 |
| N11-0362-001 | Los Angeles    | HASL Ga-01-R | Zr-95       | 0.000924 ± 0.0137  | 0.0434            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0362

N11-0362-002

Los Angeles

HASL Ga-01-R

Iodine-131

-0.00417 ± 0.0110

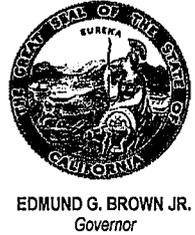
0.0282

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804



**PRELIMINARY Analysis Results Report for Task ID. N11-0363**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name: Alan Rook        | Date/Time Collected: 04/04/2011 06:45 | Date/Time Received: 04/05/2011 09:57 |  |
| Site Name: San Onofre / Air        | Source Name: San Onofre NPP           |                                      |  |
| R Number: R 87391                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |  |
| 8139.1                        | 04/01/2011 15:30       | 8553.3                             | 04/04/2011 06:45     | 414.2                                  |  |

| Sample ID    | Sampling Point | Method       | Parameter   | Result ± CE          | MDA <sub>95</sub> | Units  |
|--------------|----------------|--------------|-------------|----------------------|-------------------|--------|
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Ba-140      | 0.00657 ± 0.0263     | 0.0804            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Ce-141      | -0.0000713 ± 0.00877 | 0.0263            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Ce-144      | -0.0229 ± 0.0357     | 0.0972            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Cs-134      | 0.00180 ± 0.0111     | 0.0312            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Cs-137      | 0.0251 ± 0.00707     | 0.0360            | pCi/m3 |
| N11-0363-001 | San Onofre     | DOE RP 710   | Gross Alpha | ±                    |                   | pCi/m3 |
| N11-0363-001 | San Onofre     | DOE RP 710   | Gross Beta  | ±                    |                   | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | I-131       | 0.00479 ± 0.00907    | 0.0283            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | I-132       | 0.00705 ± 0.0115     | 0.0357            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Ru-103      | -0.000136 ± 0.00826  | 0.0233            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Ru-106      | 0.0551 ± 0.0728      | 0.231             | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Te-132      | 0.000976 ± 0.00781   | 0.0230            | pCi/m3 |
| N11-0363-001 | San Onofre     | HASL Ga-01-R | Zr-95       | 0.0112 ± 0.0225      | 0.0439            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0363

N11-0363-002

San Onofre

HASL Ga-01-R

Iodine-131

0.0299 ± 0.00845

0.0379

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



Howard Backer, MD, MPH  
Interim Director

State of California - Health and Human Services Agency  
California Department of Public Health

Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804



EDMUND G. BROWN JR.  
Governor

PRELIMINARY Analysis Results Report for Task ID. N11-0368

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

**Requestor**

Name: \_\_\_\_\_ Organization: Radiologic Health Branch

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: CA Zip Code: 95814-5006 Phone: \_\_\_\_\_

**Site and Sample Information**

Collector's Name: \_\_\_\_\_ Date/Time Collected: 04/01/2011 12:58 Date/Time Received: 04/05/2011 11:46

Site Name: Humboldt Bay / Air Source Name: \_\_\_\_\_

R Number: R 90467 Sample Type: Air Filter

**Air Filter Information**

| Start Volume | Start Date/Time  | End Volume (M ) <sup>3</sup> | End Date/Time    | Net Air Volume (M ) <sup>3</sup> |
|--------------|------------------|------------------------------|------------------|----------------------------------|
| 76189.6      | 03/30/2011 14:04 | 76528.3                      | 04/01/2011 12:58 | 338.7                            |

| Sample ID    | Sampling Point   | Method       | Parameter   | Result ± CE       | MDA <sub>95</sub> | Units  |
|--------------|------------------|--------------|-------------|-------------------|-------------------|--------|
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Ba-140      | 0.0126 ± 0.0401   | 0.119             | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-141      | -0.00945 ± 0.0174 | 0.0386            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-144      | -0.0118 ± 0.0562  | 0.138             | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-134      | -0.0124 ± 0.0141  | 0.0334            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-137      | 0 ± 0.0150        | 0.0389            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | DOE RP 710   | Gross Alpha | ±                 |                   | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | DOE RP 710   | Gross Beta  | ±                 |                   | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | I-131       | 0.00669 ± 0.00889 | 0.0358            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | I-132       | -0.0501 ± 0.0353  | 0.0675            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-103      | 0.0232 ± 0.00537  | 0.0373            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-106      | -0.144 ± 0.113    | 0.177             | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Te-132      | 0.00631 ± 0.0140  | 0.0515            | pCi/m3 |
| N11-0368-001 | Humboldt Bay NPP | HASL Ga-01-R | Zr-95       | -0.0195 ± 0.0310  | 0.0601            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0368

N11-0368-002

Humboldt Bay NPP

HASL Ga-01-R

Iodine-131

0.0208 ± 0.00984

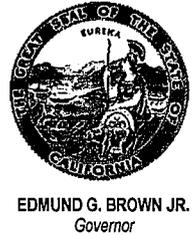
0.0426

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804



**PRELIMINARY Analysis Results Report for Task ID. N11-0369**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |
|------------------|--|
| <b>Requestor</b> |  |
| Name:            | Organization: Radiologic Health Branch |
| Address:         |  |
| City:            | State: CA Zip Code: 95814-5006 Phone:  |

|                                    |                                       |                                      |
|------------------------------------|---------------------------------------|--------------------------------------|
| <b>Site and Sample Information</b> |                                       |                                      |
| Collector's Name:                  | Date/Time Collected: 04/03/2011 18:15 | Date/Time Received: 04/05/2011 11:51 |
| Site Name: Humboldt Bay / Air      | Source Name:                          |                                      |
| R Number: R 90468                  | Sample Type: Air Filter               |                                      |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 76528.3                       | 04/01/2011 12:58       | 76912.5                            | 04/03/2011 18:15     | 384.2                                  |

| Sample ID    | Sampling Point   | Method       | Parameter   | Result ± CE       | MDA <sub>95</sub> | Units  |
|--------------|------------------|--------------|-------------|-------------------|-------------------|--------|
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Ba-140      | -0.0226 ± 0.0392  | 0.0901            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-141      | -0.00540 ± 0.0134 | 0.0364            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Ce-144      | 0.0378 ± 0.0509   | 0.157             | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-134      | 0.00908 ± 0.0103  | 0.0365            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Cs-137      | 0.0189 ± 0.0106   | 0.0421            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | DOE RP 710   | Gross Alpha | ±                 |                   | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | DOE RP 710   | Gross Beta  | ±                 |                   | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | I-131       | 0.0149 ± 0.0118   | 0.0386            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | I-132       | -0.00576 ± 0.0181 | 0.0519            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-103      | -0.00277 ± 0.0119 | 0.0302            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Ru-106      | 0.0121 ± 0.0881   | 0.290             | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Te-132      | 0.00842 ± 0.0100  | 0.0317            | pCi/m3 |
| N11-0369-001 | Humboldt Bay NPP | HASL Ga-01-R | Zr-95       | -0.0186 ± 0.0282  | 0.0572            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0369

N11-0369-002

Humboldt Bay NPP

HASL Ga-01-R

Iodine-131

0.0833 ± 0.00976

0.0274

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



State of California - Health and Human Services Agency  
California Department of Public Health



Drinking Water and Radiation Laboratory Branch  
850 Marina Bay Parkway, Richmond, CA 94804

**PRELIMINARY Analysis Results Report for Task ID. N11-0370**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name:                  | Date/Time Collected: 04/04/2011 14:00 | Date/Time Received: 04/05/2011 11:56 |  |
| Site Name: San Diego / Air         | Source Name:                          |                                      |  |
| R Number: R 90614                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 81170.6                       | 04/01/2011 15:10       | 81657.7                            | 04/04/2011 14:00     | 487.1                                  |

| Sample ID    | Sampling Point | Method       | Parameter   | Result ± CE         | MDA <sub>95</sub> | Units  |
|--------------|----------------|--------------|-------------|---------------------|-------------------|--------|
| N11-0370-001 | San Diego      | HASL Ga-01-R | Ba-140      | -0.0161 ± 0.0332    | 0.0854            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Ce-141      | -0.0152 ± 0.0130    | 0.0260            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Ce-144      | 0.0601 ± 0.0271     | 0.104             | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Cs-134      | 0.00262 ± 0.00836   | 0.0272            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Cs-137      | -0.000265 ± 0.00969 | 0.0290            | pCi/m3 |
| N11-0370-001 | San Diego      | DOE RP 710   | Gross Alpha | ±                   |                   | pCi/m3 |
| N11-0370-001 | San Diego      | DOE RP 710   | Gross Beta  | ±                   |                   | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | I-131       | 0.00741 ± 0.00533   | 0.0221            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | I-132       | 0.000626 ± 0.0103   | 0.0319            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Ru-103      | 0.00307 ± 0.00747   | 0.0252            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Ru-106      | 0.0255 ± 0.0857     | 0.245             | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Te-132      | -0.00129 ± 0.00604  | 0.0200            | pCi/m3 |
| N11-0370-001 | San Diego      | HASL Ga-01-R | Zr-95       | -0.0217 ± 0.0256    | 0.0426            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0370

N11-0370-002

San Diego

HASL Ga-01-R

Iodine-131

0.0264 ± 0.00711

0.0322

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



State of California - Health and Human Services Agency  
California Department of Public Health



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804

**PRELIMINARY Analysis Results Report for Task ID. N11-0371**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name:                  | Date/Time Collected: 04/03/2011 10:30 | Date/Time Received: 04/05/2011 13:10 |  |
| Site Name: San Luis Obispo / Air   | Source Name:                          |                                      |  |
| R Number: R 90443                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 66097.0                       | 04/01/2011 08:45       | 66458.8                            | 04/03/2011 10:30     | 361.8                                  |

| Sample ID    | Sampling Point  | Method       | Parameter   | Result ± CE       | MDA <sub>95</sub> | Units  |
|--------------|-----------------|--------------|-------------|-------------------|-------------------|--------|
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Ba-140      | -0.0373 ± 0.0504  | 0.126             | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Ce-141      | 0.00227 ± 0.0148  | 0.0373            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Ce-144      | -0.0244 ± 0.0524  | 0.121             | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Cs-134      | -0.0194 ± 0.0170  | 0.0291            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Cs-137      | -0.00795 ± 0.0122 | 0.0305            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | DOE RP 710   | Gross Alpha | ±                 |                   | pCi/m3 |
| N11-0371-001 | San Luis Obispo | DOE RP 710   | Gross Beta  | ±                 |                   | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | I-131       | -0.00242 ± 0.0116 | 0.0363            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | I-132       | 0.0190 ± 0.0132   | 0.0555            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Ru-103      | -0.00385 ± 0.0116 | 0.0322            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Ru-106      | 0.0420 ± 0.0527   | 0.220             | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Te-132      | 0 ± 0.00914       | 0.0315            | pCi/m3 |
| N11-0371-001 | San Luis Obispo | HASL Ga-01-R | Zr-95       | -0.00129 ± 0.0220 | 0.0608            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0371

N11-0371-002

San Luis Obispo

HASL Ga-01-R

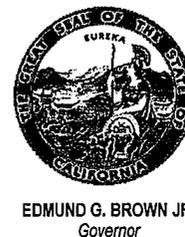
Iodine-131

0.0190 ± 0.0105

0.0404

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804

**PRELIMINARY Analysis Results Report for Task ID. N11-0372**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |        |
|------------------|--|----------------------|--------|
| <b>Requestor</b> |  |                      |        |
| Name:            | Organization: Radiologic Health Branch |                      |        |
| Address:         |  |                      |        |
| City:            | State: CA                              | Zip Code: 95814-5006 | Phone: |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name:                  | Date/Time Collected: 04/03/2011 10:58 | Date/Time Received: 04/05/2011 13:17 |  |
| Site Name: Avila Beach / Air       | Source Name:                          |                                      |  |
| R Number: R 90444                  | Sample Type: Air Filter               |                                      |  |

|                               |                        |                                    |                      |  |
|-------------------------------|------------------------|------------------------------------|----------------------|--|
| <b>Air Filter Information</b> |                        |                                    |                      |  |
| <u>Start Volume</u>           | <u>Start Date/Time</u> | <u>End Volume (M )<sup>3</sup></u> | <u>End Date/Time</u> | <u>Net Air Volume (M )<sup>3</sup></u> |
| 27122.1                       | 04/01/2011 09:33       | 27482.2                            | 04/03/2011 10:58     | 360.1                                  |

| Sample ID    | Sampling Point    | Method       | Parameter   | Result ± CE        | MDA <sub>95</sub> | Units  |
|--------------|-------------------|--------------|-------------|--------------------|-------------------|--------|
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Ba-140      | -0.0159 ± 0.0392   | 0.0976            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Ce-141      | -0.00125 ± 0.0132  | 0.0372            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Ce-144      | 0.0000647 ± 0.0511 | 0.142             | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Cs-134      | -0.000182 ± 0.0110 | 0.0331            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Cs-137      | 0.000954 ± 0.0128  | 0.0376            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | DOE RP 710   | Gross Alpha | ±                  |                   | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | DOE RP 710   | Gross Beta  | ±                  |                   | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | I-131       | 0.0246 ± 0.00988   | 0.0389            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | I-132       | -0.0122 ± 0.0187   | 0.0516            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Ru-103      | -0.00341 ± 0.0116  | 0.0294            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Ru-106      | 0.0122 ± 0.0870    | 0.288             | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Te-132      | -0.00905 ± 0.0130  | 0.0336            | pCi/m3 |
| N11-0372-001 | Diablo Canyon NPP | HASL Ga-01-R | Zr-95       | -0.00159 ± 0.0216  | 0.0659            | pCi/m3 |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.

# PRELIMINARY Analysis Results Report for Task ID. N11-0372

N11-0372-002

Diablo Canyon NPP

HASL Ga-01-R

Iodine-131

0.0256 ± 0.0122

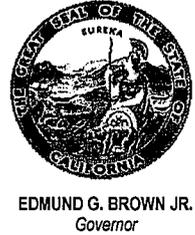
0.0453

pCi/m3

- 
1. Precision criteria for these methods were determined to be acceptable.
  2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980
  3. MDA95 is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD95 divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD95 is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where  $S_b$  is the square root of the instrument background count rate.



**Drinking Water and Radiation Laboratory Branch**  
850 Marina Bay Parkway, Richmond, CA 94804



**PRELIMINARY Analysis Results Report for Task ID. N11-0364**

Analyst: \_\_\_\_\_

Analysis Approved By: \_\_\_\_\_

Analysis Approval Date: \_\_\_\_\_

|                  |  |                      |              |
|------------------|--|----------------------|--------------|
| <b>Requestor</b> |  |                      |              |
| Name: _____      | Organization: Radiologic Health Branch |                      |              |
| Address: _____   |  |                      |              |
| City: Sacramento | State: CA                              | Zip Code: 95814-5006 | Phone: _____ |

|                                    |                                       |                                      |  |
|------------------------------------|---------------------------------------|--------------------------------------|--|
| <b>Site and Sample Information</b> |                                       |                                      |  |
| Collector's Name: _____            | Date/Time Collected: 04/04/2011 08:10 | Date/Time Received: 04/05/2011 10:00 |  |
| Site Name: _____                   | Source Name: _____                    |                                      |  |
| R Number: R91097                   | Sample Type: Milk                     |                                      |  |

| Sample ID    | Sampling Point      | Method       | Parameter | Result ± CE  | MDA <sub>95</sub> | Units |
|--------------|---------------------|--------------|-----------|--------------|-------------------|-------|
| N11-0364-001 | Cal Poly Dairy Farm | HASL Ga-01-R | I-131     | 1.92 ± 0.902 | 2.64              | pCi/L |
| N11-0364-001 | Cal Poly Dairy Farm | HASL Ga-01-R | K-40      | 1380 ± 32.3  | 37.0              | pCi/L |

1. Precision criteria for these methods were determined to be acceptable.  
 2. CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980  
 3. MDA<sub>95</sub> is the sample specific minimum detectable activity at the 95% confidence level, which is the LLD<sub>95</sub> divided by 2.22, the efficiency and the yield, and may include factors for abundance, decay and ingrowth, depending on the particular radionuclide. LLD<sub>95</sub> is defined in section 7020C, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.